

WHAT IS CLAIMED IS:

1. A direct imaging lithographic printing plate comprising a support and an image-receiving layer provided thereon, said image-receiving layer having hydrophilicity and comprising a polymer compound that is chemically bonded directly to the support surface and has hydrophilic functional groups.

2. The direct imaging lithographic printing plate according to claim 1, wherein the polymer compound in the image-receiving layer is a polymer compound having hydrophilic functional groups capable of forming chelates together with metal ions.

3. The direct imaging lithographic printing plate according to claim 1, wherein the polymer compound in the image-receiving layer is a hydrophilic functional group-containing straight-chain polymer compound that is chemically bonded directly to the support surface at its molecular end or a polymer compound constituted of a polymer backbone chemically bonded to the support surface and hydrophilic functional group-containing straight-chain polymer compounds attached to the polymer backbone at the individual molecular chain ends.

4. The direct imaging lithographic printing plate according to claim 2, wherein the hydrophilic functional group capable of forming chelates together with metal ions is selected from the group consisting of carboxylic acid group, a sulfonic

acid group, an amino group, a hydroxyl group, and an active methylene group and a salt thereof.

5. The direct imaging lithographic printing plate according to claim 1, wherein the support surface is subjected to surface roughening.

6. The direct imaging lithographic printing plate according to claim 1, wherein the image-receiving layer has a thickness of from 0.01 to 10 g/m².

7. The direct imaging lithographic printing plate according to claim 1, wherein the image-receiving layer has a thickness of from 0.1 to 5 g/m².